

REMARKS/ARGUMENTS

After the foregoing Amendment, Claims 1-20 are currently pending in this application. Claims 1-12 have been amended for stylistic reasons without the intent to in any way limit the scope of the claims. Applicants assert that no new matter has been introduced into the application by these amendments.

Claim Rejections

Claims 1-5, 9-10, 12-16, 19-20, stand rejected under 35 USC § 102 as being anticipated by Oda (US 6,628,69). Claims 6-8, 11, 17-18 stand rejected under 35 USC § 103(a) as being unpatentable over Oda and in further view of Schwengler et al. (US 7,031,753). These rejections are respectfully traversed.

Independent claims 1 and 12 are not anticipated by Oda since Oda does not disclose or suggest use of the claimed plurality of receivers. Oda teaches a reception apparatus comprising a single receiver and has as its object to change the number of fingers to be used for RAKE reception in accordance with an occurrence state of multi-path. As illustrated in Fig. 6 and described in Col. 8, line 60 to Col. 9, line 22, Oda's WTRU comprises a single receiving antenna 30 and a single reception circuit 31. A delay profile acquiring section 32 obtains the intensity of multi-path signals, and uses the multi-path signals with the highest intensity for determining the fingers 38₁-38_N of the RAKE receiver.

Claim 1 defines a wireless transmit/receive unit (WTRU) comprising "a plurality of receivers, each configured to receive and process wireless communication signals and to produce respective received signal versions of a wireless communication."

Oda, simply does not teach or suggest a WTRU with a plurality of receivers. The plurality of RAKE fingers in Oda are part of a single receiver. Each rake finger processes the same received signal, i.e. the signal received by receiving circuit 31. As clearly shown in Oda Figures 6 and 8, there is only one received signal version produced by the receiving circuit 31 which is processed by all of the RAKE fingers. The control of the number of RAKE fingers in ODA is not control of the multiple receivers as defined by claims 1 and 12.

In the present invention, each of the plurality of receivers receives and processes its own copy of a communication signal. Where a signal having multi-path components is received, each receiver can receive a different set of multi-path components. While it is possible to employ a RAKE receiver, such as disclosed in Oda, for each of the claimed plurality of receivers, different RAKE finger allocations are likely to occur for different received signal versions of a wireless communication.

Accordingly, Oda does not teach or suggest a WTRU with a plurality of receivers as defined by independent claims 1 and 12. The remaining claims are dependent upon claims 1 and 12 and are, accordingly, also believed to be allowable.

Conclusion


Based on the arguments presented above, withdrawal of the rejections of claims 1-20 based Oda is respectfully requested.

If the Examiner believes that any additional minor formal matters need to be addressed in order to place this application in condition for allowance, or that a telephone interview will help to materially advance the prosecution of this application, the Examiner is invited to contact the undersigned by telephone at the Examiner's convenience.

In view of the foregoing amendment and remarks, Applicants respectfully submit that the present application, including claims 1-20, is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

Kazakevich et al.

By 
C. Frederick Koenig III
Registration No. 29,662

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103
Telephone: (215) 568-6400
Facsimile: (215) 568-6499

CFK/CRT/djw